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File 347:JAPIO Oct 1976-2002/Sep(Updated 030102)
         (c) 2003 JPO & JAPIO
File 350:Derwent WPIX 1963-2003/UD,UM &UP=200306
         (c) 2003  Thomson Derwent

Set      Items   Description
S1       20373   MERCHANT? ? OR VENDER? OR VENDOR? OR SELLER? OR TRADER? OR
             SUPPLIER? OR DEALER? ? OR OUTFITTER?
S2      108603   DATA()(BASE? OR BANK? ? OR SYSTEM? OR NETWORK?) OR DATABASE
              OR DATABANK OR OODB OR ARCHIV? OR DBMS OR RDBMS OR MAPPER OR
             REPOSITOR?
S3     4720414   UPDATE? OR UP()DATE? OR ALTER??? OR MODIF? OR CHANG? OR VE-
             RSIONING OR VERSIONED OR REVIS? OR EDIT OR EDITING OR ADJUST?
             OR SUPERSED? OR ADD??? OR ADDITIONAL OR UPLOAD? OR INPUT?? OR
             ENTER???
S4      266053   PAY OR PAYMENT OR PAYING OR PAID OR COMPENSATION OR REIMBU-
             RSEMENT OR DISBURS? OR REMIT? OR REMISSION OR REIMBURS? OR RE-
             PAY? OR REPAID OR REMUNERAT? OR COMPENSAT? OR CONSIDERATION
S5      638462   BILL??? OR CHARG? OR (STATEMENT? OR NOTICE? OR NOTIFI?)(3N-
             )((FUNDS OR DOLLARS OR MONEY OR AMOUNT? ? OR S4)(2N)(DUE OR O-
             WED OR OWING))
S6     3383605   INSTRUCT? OR ORDER? OR REQUEST? ? OR COMMAND? OR DIRECT? OR
              DEMAND? OR DECREE OR DICTAT?
S7     2657187   REMOTE? OR (CLICK OR "NOT"()BRICK)()MORTAR OR ELECTRONIC? -
             OR ONLINE OR CYBER OR VIRTUAL? OR DIGITAL? OR INTERNET OR WEB
             OR WWW OR COMPUTERI?
S8         554   ELECTRONIC()FUNDS()TRANSFER OR ELECTRONIC()DATA()INTERCHAN-
             GE OR EFT OR EFTS OR EDI OR FEDI OR COMPUTER(1N)COMPUTER()INT-
             ERCHANGE
S9           9   S1 AND S2 AND S3 AND S4 AND S5 AND S6 AND (S7 OR S8)
S10          7   (S1(5N)S2) AND (S4(5N)S5) NOT S9
S11        802   ((S4(5N)S5)(S)(S7 OR S8)) NOT (S9 OR S10)
S12         70   ((S4(5N)S5)(S)((S7 OR S8)(5N)S6)) NOT (S9 OR S10)
S13         23   ((S4(5N)S5)(10N)((S7 OR S8)(5N)S6)) NOT (S9 OR S10)
S14        336   (((S4(5N)S7) OR S8)(10N)S5) NOT (S9 OR S10 OR S13)
S15         17   ((((S4(5N)S7) OR S8)(5N)S5)(10N)S6) NOT (S9 OR S10 OR S13)
S16          0   S14 AND (S1(5N)S2) NOT (S9 OR S10 OR S13 OR S15)
S17          4   S14 AND (S2(5N)S3) NOT (S9 OR S10 OR S13 OR S15)
S18        228   (S14 NOT (S9 OR S10 OR S13 OR S15 OR S17)) AND (IC=(G06F-0-
             15/00 OR G06F-015/21 OR G06F-017/60 OR G06F-151/00) OR MC=(T0-
             1-J05A1 OR T05-L02))
S19          1   ((S1(5N)S2)(10N)S3) AND (S4(5N)S6) NOT (S9 OR S10 OR S13 OR
              S15)
S20         52   S12 AND (IC=(G06F-015/00 OR G06F-015/21 OR G06F-017/60 OR -
             G06F-151/00) OR MC=(T01-J05A1 OR T05-L02))
S21         33   S20 NOT (S9 OR S10 OR S13 OR S15 OR S17 OR S19)
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9/5/1 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO

07376887 **Image available**
ELECTRONIC COMMERCIAL TRANSACTION SYSTEM AND PRICE **PAYMENT** SYSTEM

PUB. NO.: 2002-245387 [JP 2002245387 A]
PUBLISHED: August 30, 2002 (20020830)
INVENTOR(s): TAKEOKA TAKASHI
APPLICANT(s): FLOWER GIRL CORPORATION KK
APPL. NO.: 2001-079415 [JP 20011079415]
FILED: February 13, 2001 (20010213)
INTL CLASS: G06F-017/60; G07G-001/12; G07G-001/14

ABSTRACT

PROBLEM TO BE SOLVED: To eliminate the **charging** for commission required at the time of sending a price and receiving merchandise and to simplify and accelerate transactions and **payment** in the transactions of the merchandise and **digital** contents, etc., in **Internet** shopping and face-to-face sales.

SOLUTION: Among the three parties of a financial institution 3, a customer 1 and a merchandise **seller** 2, in the case that the customer 1 specifies the financial institution 3 of a **payment** destination at the time of **paying** the merchandise **charge** of the merchandise **seller** 2 from a browser, the financial institution 3 connects a customer identification management **data base** to the **order** receiving information data of the merchandise **seller** 2, an **input** image is displayed at the browser of the customer, his/her account number and password are inputted and thus, communication among the three parties of the customer 1, the merchandise **seller** 2 and the financial institution 3 is established and a commercial transaction and **charge payment** are performed. The information of the customer and the **seller** information of the merchandise **seller** 2 are displayed without inputting them and the customer 1 pays the **charge** . Also, points are **added** corresponding to a **payment** amount and are cumulatively recorded. The transfer commission of the customer 1 is **charged** to the merchandise **seller** 2.

9/5/2 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014685179 **Image available**
WPI Acc No: 2002-505883/200254
Method of dealing id of charged **contents of** internet
Patent Assignee: INBEE.COM.ITD (INBE-N)
Inventor: LEE G Y
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
KR 2002007249	A	20020126	KR 200168730	A	20011106	200254	B

Priority Applications (No Type Date): KR 200168730 A 20011106
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
KR 2002007249	A		1	G06F-017/60	

Abstract (Basic): KR 2002007249 A
NOVELTY - An ID(Identification) dealing method of **charged** contents on the **Internet** is provided to provide high-quality data among clients using the **Internet** .
DETAILED DESCRIPTION - A client having an ID of the current

available **charged** contents logs in a **web** site to **pay** a **charge** . The **seller** recognizes the sorts of **charged** contents and **inputs** the detailed data of an article to record the article on a DB(**DataBase**). The client checks the article dealing by receiving an e-mail from the **web** site. The **seller** decides the value of an article and advertises the articles while a buyer checks the value of the article and buys the article. The buyer logs in the **web** site to buy an article. The buyer clicks a desired article, selects a settlement type and **requests** buying. The buyer receives the ID and password of the article through a message. The buyer checks the article data and clicks a confirm button.

pp; 1 DwgNo 1/10

Title Terms: METHOD; DEAL; ID; **CHARGE** ; CONTENT
Derwent Class: T01
International Patent Class (Main): G06F-017/60
File Segment: EPI

9/5/3 (Item 2 from file: 350)

014364782 **Image available**
WPI Acc No: 2002-185483/200224
Method for exchanging and remitting **reserved** electronic **money between point accumulation** trader **and** charged **contents/service provider**
Patent Assignee: NAM Y O (NAMY-I)
Inventor: NAM Y O
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
KR 2001025561	A	20010406	KR 2001657	A	20010105	200224	B

Priority Applications (No Type Date): KR 2001657 A 20010105
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
KR 2001025561	A		1	G06F-017/6011	

Abstract (Basic): KR 2001025561 A

NOVELTY - The method is provided to exchange and **remit** **electronic** money from the point accumulation **trader** to the **charged** contents/service provider by using reserved **electronic** money in a member's account.

DETAILED DESCRIPTION - A member **inputs** a connection **order** to a server to exchange or **remit** reserved **electronic** money from a point accumulation **trader** to a **charged** contents/service provider(S11). A member **inputs** an ID and a password and logs in(S12). It is determined whether an ID and a password are identical to an ID and a password recorded in a member certification **database** (S13). It is determined whether a user exchanges reserved **electronic** money(S14). A member **inputs** a name of a **charged** contents/service provider from which money is withdrawn and a name of a **charged** contents/service provider in which money is exchanged(S15). **Electronic** money is deposited to a member's account, a point accumulation **trader** settles real cash and an exchanging/ **remitting** agency settles real cash to a **charged** contents/service provider(S16). It is determined whether a user **remits** **electronic** money(S17). A member **inputs** a name of a **charged** contents/service provider from which money is withdrawn and a name of a **charged** contents/service provider to which money is **remitted** (S18). Cash is **remitted** to a member's account and **traders** settle accounts each other(S19). A member determines whether to **modify** private information(S20) and **modifies** private information(S21). A member determines whether to **modify** information on a point accumulation **trader** (S22) which a member joins in and **modifies** information on a point accumulation **trader** (S23).

pp; 1 DwgNo 1/10

Title Terms: METHOD; EXCHANGE; RESERVE; **ELECTRONIC** ; MONEY; POINT; ACCUMULATE; **CHARGE** ; CONTENT; SERVICE
Derwent Class: T01; T05
International Patent Class (Main): G06F-017/6011
File Segment: EPI

9/5/4 (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014228158 **Image available**
WPI Acc No: 2002-048856/200206
Related WPI Acc No: 2001-570797
XRPX Acc No: N02-036172

Data delivery method for legacy computer system used in e-commerce application, involves modifying **applications of legacy system and running** modified **applications so that data is output in extensive mark-up language format**

Patent Assignee: ELECTRONIC DATA SYSTEMS CORP (ELDA-N)
Inventor: BALLANTYNE A M; HINES L M; SMITH M K
Number of Countries: 100 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20010044811	A1	20011122	US 2000522277	A	20000309	200206	B
			US 2001840727	A	20010423		
WO 200286706	A1	20021031	WO 2002US12617	A	20020423	200272	

Priority Applications (No Type Date): US 2001840727 A 20010423; US 2000522277 A 20000309
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20010044811	A1		24	G06F-015/00	CIP of application US 2000522277
WO 200286706	A1	E		G06F-009/44	

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZM ZW

Abstract (Basic): US 20010044811 A1

NOVELTY - A data model of the legacy computer system application is generated. The model is mapped to an extensible mark up language (XML) schema. The applications of the legacy system are automatically **modified** and are run so that data written in document object model is output in XML format.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(a) Data delivery system;
(b) Data outputting system;
(c) Data outputting method;
(d) Legacy computer system modeling method;
(e) Legacy computer system modeling system

USE - For outputting data from legacy computer system used in enterprise application integration (EAI), **electronic bill** presentation and **payment** (EBPP), **archival** of **billing** statements in business intelligence, etc.

ADVANTAGE - **Direct** generation of XML formatted data reduces friction in information networks, reduces cost of tracking information, reduces time associated with obtaining business intelligence. Customers can automatically analyze their **suppliers** for **vendor** relationship management, **suppliers** can automatically analyze their customers for customer relationship management and manufacturers can automatically analyze markets for their products for market intelligence by making

data available in semantically meaningful form.
DESCRIPTION OF DRAWING(S) - The figure shows the flowchart of the generation of **modified** legacy program applications to output XML data.
pp; 24 DwgNo 2/9
Title Terms: DATA; DELIVER; METHOD; COMPUTER; SYSTEM; APPLY; **MODIFIED** ; APPLY; SYSTEM; RUN; **MODIFIED** ; APPLY; SO; DATA; OUTPUT; EXTEND; MARK; UP ; LANGUAGE; FORMAT
Derwent Class: T01; T05
International Patent Class (Main): G06F-009/44; G06F-015/00
File Segment: EPI

9/5/5 (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014220953 **Image available**
WPI Acc No: 2002-041651/200205
XRPX Acc No: N02-030875
E-commerce transaction processing using Internet , **involves retrieving information about user and item** ordering **information associated with unique transaction code for processing transaction to arrange user** payment
Patent Assignee: DIGITAL CONVERGENCE CORP (DIGI-N)
Inventor: PHILYAW J J
Number of Countries: 093 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200186559	A2	20011115	WO 2001US14968	A	20010509	200205	B
AU 200159673	A	20011120	AU 200159673	A	20010509	200219	

Priority Applications (No Type Date): US 2000568205 A 20000509
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200186559	A2	E	72	G06F-017/60	

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200159673	A		G06F-017/60	Based on patent WO 200186559

Abstract (Basic): WO 200186559 A2
NOVELTY - An item **ordering** information associated with an unique transaction code is appended to an user ID. The user information and the item **ordering** information are retrieved, based on the response from the **vendor** during transaction. The transaction is processed by arranging user **payment** , based on the retrieved information.
USE - For processing E-commerce transaction using global communication network e.g. **Internet** or world wide **web** (**WWW**), local area network (LAN), wide area network (WAN) and also for viewing advertisements, contests, games, news, programs, coupon promotional programs, demos, photographs.
ADVANTAGE - Since the ID is sent in association with the routing information, transaction **database** is **updated** and transactions can be transferred back to the subscriber with detailed profile information. Allows real-time interface with the network and the **remote** location for obtaining the routed information and also allows for real-time **billing** and accounting.
DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the computer system.
pp; 72 DwgNo 1/31
Title Terms: TRANSACTION; PROCESS; RETRIEVAL; INFORMATION; USER; ITEM; **ORDER** ; INFORMATION; ASSOCIATE; UNIQUE; TRANSACTION; CODE; PROCESS;

TRANSACTION; ARRANGE; USER; **PAY**
Derwent Class: T01
International Patent Class (Main): G06F-017/60
File Segment: EPI

9/5/6 (Item 5 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014086583 **Image available**
WPI Acc No: 2001-570797/200164
Related WPI Acc No: 2002-048856
XRPX Acc No: N01-425366
Legacy computer data modification **method for e-commerce applications, involves data relationship to Extensible Markup Language format**
Patent Assignee: ELECTRONIC DATA SYSTEMS CORP (ELDA-N)
Inventor: BALLANTYNE A M; HINES L M; SMITH M K
Number of Countries: 021 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200167289	A2	20010913	WO 2001US7177	A	20010307	200164	B
AU 200140068	A	20010917	AU 200140068	A	20010307	200204	

Priority Applications (No Type Date): US 2000522277 A 20000309
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200167289	A2	E	52	G06F-017/00	
AU 200140068	A			G06F-017/00	Based on patent WO 200167289

Designated States (National): AU JP
Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

Abstract (Basic): WO 200167289 A2
NOVELTY - The method provides Extensible Markup Language (XML) output by **modifying** underlying legacy program applications (16) to report data in XML format. A code generation engine (24) creates **modified** applications (18) by using a mapping engine (26) that generates **modification** specification and context table (22) by mapping a model (28) of write operations of the legacy system to an XML schema (32).
DETAILED DESCRIPTION - A writer engine (20) is called by the **modified** program applications to write XML output in the format of the XML scheme encoded by the context table.
INDEPENDENT CLAIMS are also included for the following:
(1) A system for outputting data in a XML format.
(2) A method for outputting data from a legacy computer system in XML format.
USE - The system can be used in different e-commerce applications such as storing reports in a data warehouse, Enterprise Application Integration (EAI) middleware for transfer of data between applications, **Electronic Bill** Presentation and **Payment** (EBPP), **bill archiving** and business intelligence.
ADVANTAGE - The system automatically **modifies** legacy computer system program applications to enable them to **directly** produce XML versions of outputted data. This enables an XML output to be **directly** available without a transformation of the data itself from a legacy computer format. Underlying program logic and business rules remain unaltered so that the functions of the legacy computer do not need to **change** . This enables a business enterprise greater accessibility to XML data without affecting computed values. **Modification** of the underlying legacy applications is less expensive, complex and time-consuming than transformation of the legacy system output into a XML format. The writer engine and context table ensure that a **command** to write an embedded XML function will include tags to previous functions and therefore produce an XML output that has the correct

syntax. Tool support manages the modelling of the underlying program logic resulting in less time to **modify** the legacy system to the XML output. The **direct** generation of XML formatted data from legacy computer system reduces friction in information networks by making the transfer of information simpler. This reduces the cost of tracking information and reduces the time required to gather business intelligence. Customers can automatically analyze **suppliers** for **Vendor** Relationship Management (VRM) and **suppliers** can automatically analyze customers for Customers Relationship Management (CRM). Manufactures can automatically analyze markets for their products for Market Intelligence.

DESCRIPTION OF DRAWING(S) - The block diagram represents a code generation system networked to a legacy computer system.

Legacy program applications (16)
Modified legacy program applications (18)
Writer engine (20)
Context table (22)
Code generation engine (24)
Mapping engine (26)
Modeling engine (28)
XML schema (32)
pp; 52 DwgNo 1/8

Title Terms: COMPUTER; DATA; **MODIFIED** ; METHOD; APPLY; DATA; RELATED; EXTEND; LANGUAGE; FORMAT
Derwent Class: T01
International Patent Class (Main): G06F-017/00
File Segment: EPI

9/5/7 (Item 6 from file: 350)
DIALOG(R)File 350:Derwent WPIX

013824589 **Image available**
WPI Acc No: 2001-308801/200133
XRPX Acc No: N01-220986

Prepaid card service platform for storing monetary value and subsequently making payment **to** merchants **through the telephone system or though a** data network **such as the** Internet **provides audio advertisements during transaction processing**

Patent Assignee: KWAN K H (KWAN-I)
Inventor: KWAN K H
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
AU 9943506	A	20010215	AU 9943506	A	19990811	200133	B

Priority Applications (No Type Date): AU 9943506 A 19990811
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
AU 9943506	A		35	H04L-009/32	

Abstract (Basic): AU 9943506 A

NOVELTY - The prepaid card system is used to store monetary value and subsequently for making **payment** to **merchants** through the telephone system or through a **data network** . Unlike static credit card numbers, the system employs the generation of encrypted dynamic codes for each transaction, which must be verified within a specific time, for **payment** initiation. Codes are sent by a **merchant** when a purchase is agreed upon and each code has a time limit to be used. Customers need to accept the codes and present them to the host computer to complete the **payment** process. Codes from both **merchant** and customer are decrypted at the host computer to produce the authenticated **instructions** for the **payment** .

DETAILED DESCRIPTION - The system also employs a unique formula to calculate stored value including in foreign currencies. INDEPENDENT

CLAIMS are included for: a computer system for creating and managing prepaid cards accounts and user accounts used to access a **payment** network using a telephone; and an interactive voice response system that allows a user to conduct **bill payment** by telephone. The voice response system allows a user to select transaction options in response to voice prompts and also connects the user to an advertiser's call center in response to a voice prompt **input** when an advertisement or announcement is played during processing information.

USE - For making **payment** in any currency through a communication network such as a telephone service or a data service such as the **Internet** .

ADVANTAGE - Prepaid card system is able to **pay** both local/foreign service providers and receive funds by enabling transfer of **electronic** credits into numbered accounts and into ant currencies through a communication system in lieu of a banking facility. Reduces costs of transactions and enables audio advertisements to be heard while the transaction is being processed through the telephone, the service also being able to be interactive depending upon the client's requirements.

DESCRIPTION OF DRAWING(S) - The drawing shows a circuit design linking to a public switch telephone network according to the prepaid card and service.

prepaid card service platform (30)

pp; 35 DwgNo 1/6

Title Terms: PREPAYMENT; CARD; SERVICE; PLATFORM; STORAGE; MONEY; VALUE; SUBSEQUENT; **PAY** ; **MERCHANT** ; THROUGH; TELEPHONE; SYSTEM; DATA; NETWORK; AUDIO; ADVERTISE; TRANSACTION; PROCESS

Derwent Class: T01; T05; W01

International Patent Class (Main): H04L-009/32

International Patent Class (Additional): H04M-011/00

File Segment: EPI

9/5/8 (Item 7 from file: 350)

DIALOG(R)File 350:Derwent WPIX

013446665 **Image available**

WPI Acc No: 2000-618608/200059

XRPX Acc No: N00-458445

Online **trading method for buying/selling goods through** internet , **involves searching suitable** seller **located within required distance limit as specified by buyer, and displaying identified** seller **'s information**

Patent Assignee: TOLZ D (TOLZ-I)

Inventor: TOLZ D

Number of Countries: 089 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200043933	A1	20000727	WO 2000US1852	A	20000126	200059	B
AU 200027369	A	20000807	AU 200027369	A	20000126	200059	

Priority Applications (No Type Date): US 99117232 P 19990126

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200043933	A1	E	72	G06F-017/60	

Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW

AU 200027369 A G06F-017/60 Based on patent WO 200043933

Abstract (Basic): WO 200043933 A1

NOVELTY - The search for appropriate item is performed in stored **database** (18c) records of **seller** for identifying data which

correlate with buyer's requirement. The search is also performed based on difference in distance between **seller** and buyer. The identified location and suitable price list can be viewed on display screen by buyer.

DETAILED DESCRIPTION - The **database** record of **sellers** consists of price of list of item and address location. The buyer **enters** item description, desired price, time period for transaction. The search is performed based on buyer's requirement, so that item can be purchased within shorter duration and distance. Geographical algorithm (18a) is used for calculating the distance between buyer and **seller** . Transaction is initiated by notifying the **seller** about **electronic payment** for preferred goods in advance of delivery or pickup. INDEPENDENT CLAIMS are also included for the following:

(a) system facilitating establishment of business relationship between **seller** and buyer;

(b) computer program for establishing relationship between **sellers** and buyers in a geographic area;

(c) **direct** sales organization establishment method in a desired geographic area via **internet**

USE - On-line trading method for local selling, auctioning, exchanging goods, service and information over world wide **web** . Also used in local grocery market, bakery etc., with provision for **electronic billing** .

ADVANTAGE - Since buyer **enters** all his requirements about the item and suitable search is performed considering the distance radius between **traders** , transaction time is reduced. The invention helps in discovery of cheapest item which may actually be located further away, than closer to more expensive items by interaction between buyer and **seller** , so that desired items may be located by incrementing distance and initiating new searches. Allows creation of national website, operating locally by facilitating auction or classified ad site on **internet** to provide local auction, based on location of user and radius of choosing, which is currently not offered anywhere on **internet** . Enables creation of stronger bonds among people in given area, fastening economic growth in a region. The system can be arranged to **charge merchant** 's accounts or credit card and saves time of customer and **seller** . The system is more efficient for buyer, as he can place an **order** in advance, when item is still in stock and has to only pickup the **ordered** items, therefore the system moves retail shops closer to becoming shopping point for goods, as opposed to place where users browse and shop as shopping and browsing is conducted **online** . The system allows integration of shippers/buyers, **sellers** so that shippers can become integrated and work like a much larger company, operating independently.

DESCRIPTION OF DRAWING(S) - The figure shows the environment within which the **online** trading is operated.

Geographic algorithm (18a)

Database (18c)

pp; 72 DwgNo 1a/11

Title Terms: TRADE; METHOD; BUY; SELL; GOODS; THROUGH; SEARCH; SUIT; LOCATE ; REQUIRE; DISTANCE; LIMIT; SPECIFIED; BUY; DISPLAY; IDENTIFY; INFORMATION

Derwent Class: T01; T05; W01

International Patent Class (Main): G06F-017/60

File Segment: EPI

9/5/9 (Item 8 from file: 350)

DIALOG(R)File 350:Derwent WPIX

013203195 **Image available**

WPI Acc No: 2000-375068/200032

Related WPI Acc No: 2002-402256

XRPX Acc No: N00-281646

Electronically **processing method of invoice information, involves**

performing automated reasonability test on invoice from vendor **using reasonability criterion, in** database , **based on which** instructions **for** payment **is generated**

Patent Assignee: MELLON BANK NA (MELL-N)
Inventor: ANDERSON M W; MATTHEWS J W; MERRITT D L
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 6058380	A	20000502	US 95569746	A	19951208	200032	B

Priority Applications (No Type Date): US 95569746 A 19951208
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6058380	A		19	G06F-017/60	

Abstract (Basic): US 6058380 A

NOVELTY - Communication unit (202) communicates **EDI** invoice from **vendor** (10) to **database** (201). **Input** unit (203) **inputs** reasonability criterion from customer to **database** . Automated reasonability test is performed on invoice using reasonability criterion, in **database** based on which **instruction** regarding **payment** is generated. **Payment** is transmitted from **database** to **vendor** when **instruction** to **pay** **vendor** is generated.

DETAILED DESCRIPTION - The reasonability criterion contains invoice analysis parameters derived from customer for evaluating reasonability of invoice information from **vendor** . The criterion is selected from group consisting of late **charges** , rate **changes** unusually high or low invoice amounts and unusually high or low usage amounts. An INDEPENDENT CLAIM is also included for method of processing invoice information.

USE - For **electronically** processing invoice information of **vendors** e.g. utility companies, lessors of commercial property, uniform providers and telephone industry.

ADVANTAGE - Offers shorter and more manageable time line between invoicing and **payment** by replacing three mail cycles with faster **electronic** cycles. Reduces invoice costs through elimination of late and finance **charges** , resulting from increase in invoice **payment** accuracy and timeliness. Reduces customers AP staff resource costs through automation. Offers automated review of invoices which permits customer to solely focus on problem invoices. Enables automated auditing of invoices e.g. for computation accuracy and rate classification.

DESCRIPTION OF DRAWING(S) - The figure shows detailed generalized data flow diagram.

Vendor (10)
Database (201)
Communication unit (202)
Input unit (203)
pp; 19 DwgNo 6/6

Title Terms: **ELECTRONIC** ; PROCESS; METHOD; INVOICING; INFORMATION; PERFORMANCE; AUTOMATIC; TEST; INVOICING; VENDING; CRITERIA; **DATABASE** ; BASED; **INSTRUCTION** ; **PAY** ; GENERATE
Derwent Class: T01
International Patent Class (Main): G06F-017/60
File Segment: EPI

10/5/1 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO

07078993 **Image available**
DESIGNING OPERATION SYSTEM AND DESIGNING METHOD USING NETWORK

PUB. NO.: 2001-306639 [JP 2001306639 A]
PUBLISHED: November 02, 2001 (20011102)
INVENTOR(s): YAGIHASHI TOSHIO
SATO SHUNICHI
APPLICANT(s): NEC CORP
APPL. NO.: 2000-117975 [JP 2000117975]
FILED: April 19, 2000 (20000419)
INTL CLASS: G06F-017/50

ABSTRACT

PROBLEM TO BE SOLVED: To provide a designing operation system and a designing method which enable real-time designing and can greatly improve designing efficiency.

SOLUTION: A component vendor registers information on component/vendor names and design know-how of a sample circuit, a noise countermeasure circuit, etc., in a design DB server in advance from a component vendor terminal 12 via a network 16 and a designer designs a circuit of a device in a WWW homepage from a designer terminal 11. When the design DB is used, a clearing terminal 15 pays the royalty for the use of the design **database** to a component **vendor** account from a designer account and when a component is adopted, its adoption **charge** is **paid** from the component vendor account to the designer account.

10/5/2 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014537519 **Image available**
WPI Acc No: 2002-358222/200239
Electronic commerce method and system
Patent Assignee: LEE J S (LEEJ-I)
Inventor: LEE J S
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
KR 2001086952	A	20010915	KR 200010974	A	20000306	200239	B

Priority Applications (No Type Date): KR 200010974 A 20000306
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
KR 2001086952	A		1	G06F-017/60	

Abstract (Basic): KR 2001086952 A

NOVELTY - An electronic commerce method and system is provided to carry out electronic commerce in cyber space and to offer a method and system to replace the drawing of bills.

DETAILED DESCRIPTION - An article supplier site(100), an article buyer site(250), a taxation institute/ central bank site(300) and a financial institute site(200) are connected through a communication network(150). The financial institute site(200) is comprised of a **payment bill** collection part(210), a **payment bill** confirmation part(220) and a **payment** part(230). The **payment bill** collection part(210) collects and stores the sale bills or tax accounts transmitted from the article supplier site(100). The **payment bill** confirmation part(220) confirms and processes transmitted sale **bills**

or tax accounts. The **payment** part(230) processes an amount of money in sale bills. In addition, the financial institute site(200) can contain a unit to register the sale bills or tax accounts collected from the article **supplier** site(100) in a **database** and a unit to transmit sale bills or tax accounts to the article buyer site(250). The article buyer site(250) can be comprised of a database to store the sale bills and tax accounts collected through the communication network(150) and a unit to transmit the sale bills and tax accounts transmitted from the financial institute site(200) to the taxation institute/central bank site(300).

pp; 1 DwgNo 1/10

Title Terms: ELECTRONIC; METHOD; SYSTEM
Derwent Class: T01
International Patent Class (Main): G06F-017/60
File Segment: EPI

10/5/3 (Item 2 from file: 350)

014357248 **Image available**
WPI Acc No: 2002-177949/200223
Sales, settlement and certify system using the Internet
Patent Assignee: PEAK W H (PEAK-I)
Inventor: PEAK W H
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
KR 2001016436	A	20010305	KR 200075071	A	20001211	200223	B

Priority Applications (No Type Date): KR 200075071 A 20001211
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
KR 2001016436	A		1	G06F-017/6002	

Abstract (Basic): KR 2001016436 A

NOVELTY - A sales, settlement and certify system using the Internet is provided to allow a purchaser to designate a settlement server which a seller wants.

DETAILED DESCRIPTION - A client(100) connects to a shopping mall server(200) and receives information on goods which are displayed in the shopping mall server(200). The client user(100) purchases the goods. The shopping mall server(200) permits to connect according to a connection request of the client(100). The server(200) provides the information on purchasing the goods according to a request for purchasing the goods of the client(100), and provides information such as a payment way according to purchasing the goods to the client(100). A goods database(300) comprises information on goods which are displayed and sold in the shopping mall server(200). A **seller database** (400) information on a **seller** or a manufacturer who wants to sell the goods which are displayed and sold in the shopping mall(200). A **payment** server(500) performs a **bill payment** in order to directly provide the price for the goods settled by the user to the seller or the manufacturer who wants to sell the goods. A sale information database(600) receives information settled by the payment server(500) according to the request for purchasing the goods of the client(100) and stores the information on the goods sold. A delivery module(700) completes a payment in the payment server(500) and informs the seller(210) and the shopping mall server(200) of the payment. The seller(210) delivers the goods to a place which the consumer(110) who purchases the goods designates.

pp; 1 DwgNo 1/10

Title Terms: SALE; SETTLE; CERTIFY; SYSTEM
Derwent Class: T01; T05
International Patent Class (Main): G06F-017/6002

File Segment: EPI

10/5/4 (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014252445 **Image available**
WPI Acc No: 2002-073145/200210
Electronic payment and charging system using ars
Patent Assignee: SONG J B (SONG-I); TIGER POOLS KOREA LTD (TIGE-N)
Inventor: SONG J B
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
KR 2001073335	A	20010801	KR 20001650	A	20000114	200210	B

Priority Applications (No Type Date): KR 20001650 A 20000114
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
KR 2001073335	A		1	H04L-012/14	

Abstract (Basic): KR 2001073335 A
NOVELTY - An electronic **payment** and **charging** system using an ARS(Automatic Response System) is provided to process each user through an ID generator, and to process data between a user and a provider through a call gateway system in real time.
DETAILED DESCRIPTION - A web server executes a CGI(Common Gateway Interface) program, if a buyer inputs a human history in a web-browser, to input a present date and time, and the human history of the buyer in an ID generator and a database through a TCP/IP(Transmission Control Protocol/Internet Protocol) socket. The ID generator converts the inputted information into an ASCII code, and generates a unique account ID. And the ID generator transmits the generated account ID to the web server through the CGI program, and encodes the account ID and a human history of a buyer for transmission to a call gateway. The call gateway receives the account ID and the human history of the buyer, and an ID of a **seller** , for input to an account **database** , and transmits the input result and a payment result of the buyer through an ARS(Automatic Response System) to the web server in real time.
pp; 1 DwgNo 1/10
Title Terms: ELECTRONIC; PAY; CHARGE; SYSTEM
Derwent Class: W01
International Patent Class (Main): H04L-012/14
File Segment: EPI

10/5/5 (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014105119 **Image available**
WPI Acc No: 2001-589333/200166
XRPX Acc No: N01-438959
Payment method for transaction conducted over data network , involves paying seller at payment time independent of number of transactions based on buyer account
Patent Assignee: MITRA N (MITR-I); RONEN Y (RONE-I)
Inventor: MITRA N; RONEN Y
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20010014878	A1	20010816	US 98188595	A	19981109	200166	B

Priority Applications (No Type Date): US 98188595 A 19981109
Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes
US 20010014878 A1 27 G06F-017/60

Abstract (Basic): US 20010014878 A1

NOVELTY - A transaction request directed to billing device, is received through the **data network** . The **seller** is paid at a payment time independent of a number of transactions based on buyer account.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(a) Billing device;

(b) Method for billing a payer;

(c) Seller device

USE - For setting the payment for buyer- **seller** transaction conducted through **data network** such as internet, intranets, LAN, WAN, and telephone network.

ADVANTAGE - Different buyer payment and subscription payment periods are possible and easily accounted. Permits buyer and seller to conduct transactions independent of invoice and **payment** interactions between seller and **billing** device to **pay** for buyer-seller transactions.

DESCRIPTION OF DRAWING(S) - The figure shows an exemplary buyer cancellation process of the seller device.

pp; 27 DwgNo 11/11

Title Terms: PAY; METHOD; TRANSACTION; CONDUCTING; DATA; NETWORK; PAY; PAY; TIME; INDEPENDENT; NUMBER; TRANSACTION; BASED; BUY; ACCOUNT
Derwent Class: T01; T05; W01
International Patent Class (Main): G06F-017/60
File Segment: EPI

10/5/6 (Item 5 from file: 350)
DIALOG(R)File 350:Derwent WPIX

013946404 **Image available**
WPI Acc No: 2001-430617/200146

Internet information charge system

Patent Assignee: INET INC (INET-N); I-NET HOSTING JH (INET-N)
Inventor: HA C S; LEE S H; SHIN S M; YOON E Y; HAH C S
Number of Countries: 001 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
KR 2001001199	A	20010105	KR 9920265	A	19990602	200146	B
KR 330346	B	20020401	KR 9920265	A	19990602	200266	

Priority Applications (No Type Date): KR 9920265 A 19990602
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
KR 2001001199	A		1	G06F-019/00	
KR 330346	B			G06F-017/00	Previous Publ. patent KR 2001001199

Abstract (Basic): KR 2001001199 A

NOVELTY - An internet information charge system is provided to allow a user to use one same ID in all information providing sites on the Internet if the user subscribes one system and registers his ID in the system, and achieves a united accounting operation through one united bill.

DETAILED DESCRIPTION - An internet information charge system includes a user server, a charge system database, a manager server, and a main system having an interface module. The user server is connected to an information provider, corrects a subscription information or user information, and searches a used **pay** . The **charge** system database stores an information user private information, a user payment information, a log information, a provided service information, and an information provider information. The manager server manages a